

PATENT
Attorney's Docket No. <u>US 142693-6 (1302-49)</u>

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION OR CIP)

As a below named inventor, I hereby declare that: TYPE OF DECLARATION This declaration is of the following type: (check one applicable item below) original design supplemental NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items. ☐ national stage of PCT NOTE: If one of the following 3 items apply then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP. ☐ divisional □ continuation ☐ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SILICA-RUBBER MIXTURES HAVING IMPROVED HARDNESS

SPECIFICATION IDENTIFICATION

| the specificati | on of which: (| complete (a), (b) | or (c)) |
|---|---|---|---|
| (a) 🖺 is at | tached hereto. | | |
| (b) ⊠ was f (c) □ was f | iled on July 8, iled as Express | 2003 as Seria Mail No. ———as Serial No | al No. <u>10/617,165</u> - - - - - - - - - - - - - - - - - - - |
| NOTE: Amendments fi matter are not Accordingly, | led after the original pactors accorded a filing date the amendments involved | papers are deposited with the by being referred to in the are those filed with the abon, are those amendments of invention or claims. | the PTO which contain new the declaration. application papers or, in |
| Appli and a <i>(if a</i> | cation Nos amended under | | n |
| ACKNOWLED | GEMENT OF REVIEW | OF PAPERS AND DU | TY OF CANDOR |
| I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. | | | |
| I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. | | | |
| ☐ and which is namely, info | material to the rmation where t | e examination of t here is a substant | this application, tial likelihood |
| | (complet | e (d) or (e)) | • |
| (d) ⊠ no su | ch applications | have been filed. | |
| (e) 🗆 such | applications ha | ve been filed as | follows. |
| U.S. itself c. priority claim | n. | the International Applicat tem (e), enter the details | |
| PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119(a)-(d) | | | |
| COUNTRY (OR INDICATE IF PCT) | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 U.S.C. 119 |
| | | | ☐ YES ☐ NO |
| | | | ☐ YES ☐ NO |

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. §119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

The way of the transfer of the first of the

60/394,264 60/451,449 July 9, 2002 March 3, 2003

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. §120.

POWER OF ATTORNEY

I hereby revoke all previous Powers of Attorney given in the above-identified application.

I/we hereby appoint the practitioners associated with Customer Number 28249, and Henry H. Gibson, Reg. No. 28,951, Robert E. Walter, Reg. No. 25,245, Kenneth S. Wheelock, Reg. No. 36,340, John B. Yates, Reg. No. 39,433, Frank A. Smith, Reg. No. 39,375 and Hanh T. Pham, Reg. No. 40,771 all of General Electric Company, One Plastics Avenue, Pittsfield, MA 01201, Ronald E. Myric, Reg. No. 26,315, Jay Chaskin, Reg. No. 24,030, James W. Mitchell, Reg. No. 25,602, Henry J. Policinski, Reg. No. 26,621, Bernard Snyder, Reg. No. 24,843 and Catherine J. Winter, Reg. No. 38,364 of General Electric Company (W3E) 3135 Easton Turnpike, Fairfield, CT 06431-0001, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to the address associated with Customer No. 28249.

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE (S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

| Full name of sole or first inventor Prashant G. Joshi |
|---|
| GGIS |
| Inventor's signature |
| Date May 5, 2005 Country of Citizenship India |
| Residence and Post Office Address: |
| 139 Croton Ave., Apt. D |
| Ossining, New York 10562 |
| US |
| |
| Full name of second inventor Antonio Chaves |
| Full hame of second invenderAntanio offices |
| $\frac{1}{2}$ |
| Inventor's signature Utus Uaus. |
| Date May 5, 2005 Country of Citizenship US |
| Residence and Post Office Address: |
| 675 Hardscrable Rd. |
| Chappaqua, New York 10514 |
| US |
| |
| Full name of third inventon Lesley Hwang |
| Inventor's signature Will Wall |
| Date Man C, 2005 Countty of CitizenshipUS |
| Residence and Post Office Address: |
| 55 McKinley Ave., #D3-9 |
| White Plains, New York 10606 |
| US |

| Ful | 1 name of fourth inventor Michael Astout |
|------|---|
| Tnv | entor's signature |
| Dat | e 5-5-2006 Country of Citizenship US |
| Res | idence and Post Office Address: |
| | 33 Greenknoll Dr. |
| | Brookfield, Connecticut 06804 |
| | US |
| D 1 | l name of fifth inventor Martin Hofstetter |
| Tnr | ontoria gignature |
| Dat | e Country of Citizenship US |
| Res | idence and Post Office Address: |
| | 221-05 Manor Rd. |
| | Bellrose Manor, New York 11427 |
| | US |
| _ , | I was a finish immenter found M. Danzer |
| Ful | name of sixth inventor Louis M. Panzer entor; signature |
| TIIV | e 5/4/05 Country of Citizenship US |
| Res | idence and Post Office Address: |
| 100 | 34 Charter Oak Ct. |
| | Ridgefield, Connecticut 06877 |
| | US |
| | CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING |
| | ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION |
| | ADDED PAGE(S) WRICH FORM A PART OF THIS DECEMBER OF |
| | Signature for subsequent joint inventors. |
| | Number of pages added |
| | |
| | Signature by administrator(trix), executor(trix) or legal |
| | representative for deceased or incapacitated inventor. |
| | Number of pages added |
| П | Signature for inventor who refuses to sign or cannot be |
| ш | reached by person authorized under 37 C.F.R. §1.47. |
| | Number of pages added |
| | *** |
| | |
| | Added pages to combined declaration and power of attorney for |
| | divisional, continuation, or continuation-in-part (CIP) |
| | application. |
| | Number of pages added |
| | |
| | Authorization of attorney(s) to accept and follow |
| _ | instructions from representative. |
| | *** |
| | If no further pages form a part of this Declaration then end |
| | this Declaration with this page and check the following item. |
| | This declaration ends with this page. |

(Added Page to Combined Declaration and Power of Attorney for Divisional, Continuation or CIP Application [1-2.1] - page 1 of 1)

PATENT
Attorney's Docket No. <u>US 142693-6 (1302-49)</u>

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION OR CIP)

| DIVISIONAL, CONTINUATION OR CIP) | |
|--|-----|
| As a below named inventor, I hereby declare that: | |
| TYPE OF DECLARATION | |
| This declaration is of the following type: (check one application below) | ole |
| ■ original □ design □ supplemental | |
| NOTE: If the declaration is for an International Application being filed as divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items. | а |
| □ national stage of PCT | |
| NOTE: If one of the following 3 items apply then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP. | |
| ☐ divisional ☐ continuation ☐ continuation-in-part (CIP) | |
| INVENTORSHIP IDENTIFICATION | |
| WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claim at the time the last claimed invention was made, should be submitted. | ns |
| My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original | - , |

TITLE OF INVENTION

first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is

sought on the invention entitled:

SILICA-RUBBER MIXTURES HAVING IMPROVED HARDNESS

SPECIFICATION IDENTIFICATION

| the specification of which: (complete (a), (b) or (c)) | | |
|---|-------------------|--|
| (a) \square is attached hereto. | | |
| (b) Was filed on July 8, 2003 as Serial No. 10/617 (c) Was filed as Express Mail No, dated as Serial No. not yet kno | ,165 wn | |
| NOTE: Amendments filed after the original papers are deposited with the PTO which contain matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. 1.67. | | |
| (c) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on (if any). | | |
| ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR | | |
| I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is | | |
| material to patentability as defined in 37 C.F.R. §1.56. | | |
| ☐ and which is material to the examination of this application namely, information where there is a substantial likelihood | on, d | |
| (complete (d) or (e)) | | |
| (d) on such applications have been filed. | | |
| (e) \square such applications have been filed as follows. | | |
| NOTE: Where item (c) is entered above and the International Application which designated U.S. itself claimed priority check item (e), enter the details below and make the priority claim. | the | |
| PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS | | |
| (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119(a)-(d) | | |
| COUNTRY (OR APPLICATION DATE OF FILING PRIORITY CLAIM INDICATE IF PCT) NUMBER (day, month, year) UNDER 35 U.S.C. | | |

| COUNTRY (OR INDICATE IF PCT) | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORI' UNDER 35 | | |
|------------------------------|-----------------------|-----------------------------------|---------------------|-----------|----|
| | | | ☐ YES | | NO |
| | * | | ☐ YES | : | NO |

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. §119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

60/394,264 60/451,449 July 9, 2002 March 3, 2003

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. §120.

POWER OF ATTORNEY

I hereby revoke all previous Powers of Attorney given in the above-identified application.

I/we hereby appoint the practitioners associated with Customer Number 28249, and Henry H. Gibson, Reg. No. 28,951, Robert E. Walter, Reg. No. 25,245, Kenneth S. Wheelock, Reg. No. 36,340, John B. Yates, Reg. No. 39,433, Frank A. Smith, Reg. No. 39,375 and Hanh T. Pham, Reg. No. 40,771 all of General Electric Company, One Plastics Avenue, Pittsfield, MA 01201, Ronald E. Myric, Reg. No. 26,315, Jay Chaskin, Reg. No. 24,030, James W. Mitchell, Reg. No. 25,602, Henry J. Policinski, Reg. No. 26,621, Bernard Snyder, Reg. No. 24,843 and Catherine J. Winter, Reg. No. 38,364 of General Electric Company (W3E) 3135 Easton Turnpike, Fairfield, CT 06431-0001, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to the address associated with Customer No. 28249.

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

| Full name of sole or first inventor Prashant G. Joshi |
|--|
| Inventor's signature Country of Citizenship India |
| Date Country of Citizenship India |
| Residence and Post Office Address: |
| 139 Croton Ave., Apt. D |
| Ossining, New York 10562 |
| US |
| |
| Full name of second inventor Antonio Chaves |
| |
| Inventor's signature |
| Date Country of Citizenship <u>US</u> Residence and Post Office Address: |
| Residence and Post Office Address: |
| 675 Hardscrable Rd. |
| Chappaqua, New York 10514 |
| US |
| |
| Full name of third inventor Lesley Hwang |
| Inventor's signature |
| Date Country of CitizenshipUS |
| Residence and Post Office Address: |
| 55 McKinley Ave., #D3-9 |
| White Plains, New York 10606 |
| US US |
| |

| | l name of fourth inventor Michael Stout |
|------|---|
| Inv | entor's signature |
| Dat | e Country of Citizenship <u>US</u> |
| Res | idence and Post Office Address: |
| | 33 Greenknoll Dr. |
| | Brookfield, Connecticut 06804 |
| | US |
| | |
| Ful | l name of fifth inventor Martin Hofstetter |
| Inv | entor's signature Martin H. Hukstollor e June 28, 2005 Country of Citizenship US |
| Dat | e Lune 28, 2005 Country of Citizenship US |
| Res | idence and Post Office Address: |
| | 221-05 Manor Rd. |
| | Bellrose Manor, New York 11427 |
| | US |
| | |
| Ful | l name of sixth inventor Louis M. Panzer |
| Inv | entor's signature |
| Date | e Country of Citizenship US |
| Res | idence and Post Office Address: |
| | 34 Charter Oak Ct. |
| | Ridgefield, Connecticut 06877 |
| | US |
| | |
| | CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION |
| | ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION |
| | Oissature for subsequent deint inventors |
| | Signature for subsequent joint inventors. |
| | Number of pages added |
| | Signature by administrator(trix), executor(trix) or legal |
| ш | representative for deceased or incapacitated inventor. |
| | Number of pages added |
| | Number of pages added |
| П | Cignature for inventor who refuged to gign or gannot be |
| | Signature for inventor who refuses to sign or cannot be |
| | reached by person authorized under 37 C.F.R. §1.47. |
| | Number of pages added |
| | |
| | Added pages to combined declaration and power of attorney for |
| ш | divisional, continuation, or continuation-in-part (CIP) |
| | |
| | application. |
| | Number of pages added |
| | *** |
| П | Nuthaniantian of attangent and follow |
| | Authorization of attorney(s) to accept and follow |
| | instructions from representative. |
| | |
| | If no further pages form a part of this Declaration then end |
| | this Declaration with this page and check the following item. |
| | ■ This declaration ends with this page. |
| | - 1112 @01222@0101 01100 W1011 01110 P@20. |

(Added Page to Combined Declaration and Power of Attorney for Divisional, Continuation or CIP Application [1-2.1] - page 1 of 1)